

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P744878

Luminaire Tested: LD4D25D010-EU4DR2015309024-4LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P744878  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D25D010-EU4DR2015309024-4LBDP1LI  
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2313.1 lumens  
Efficiency: N/A  
Efficacy: 92.2 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

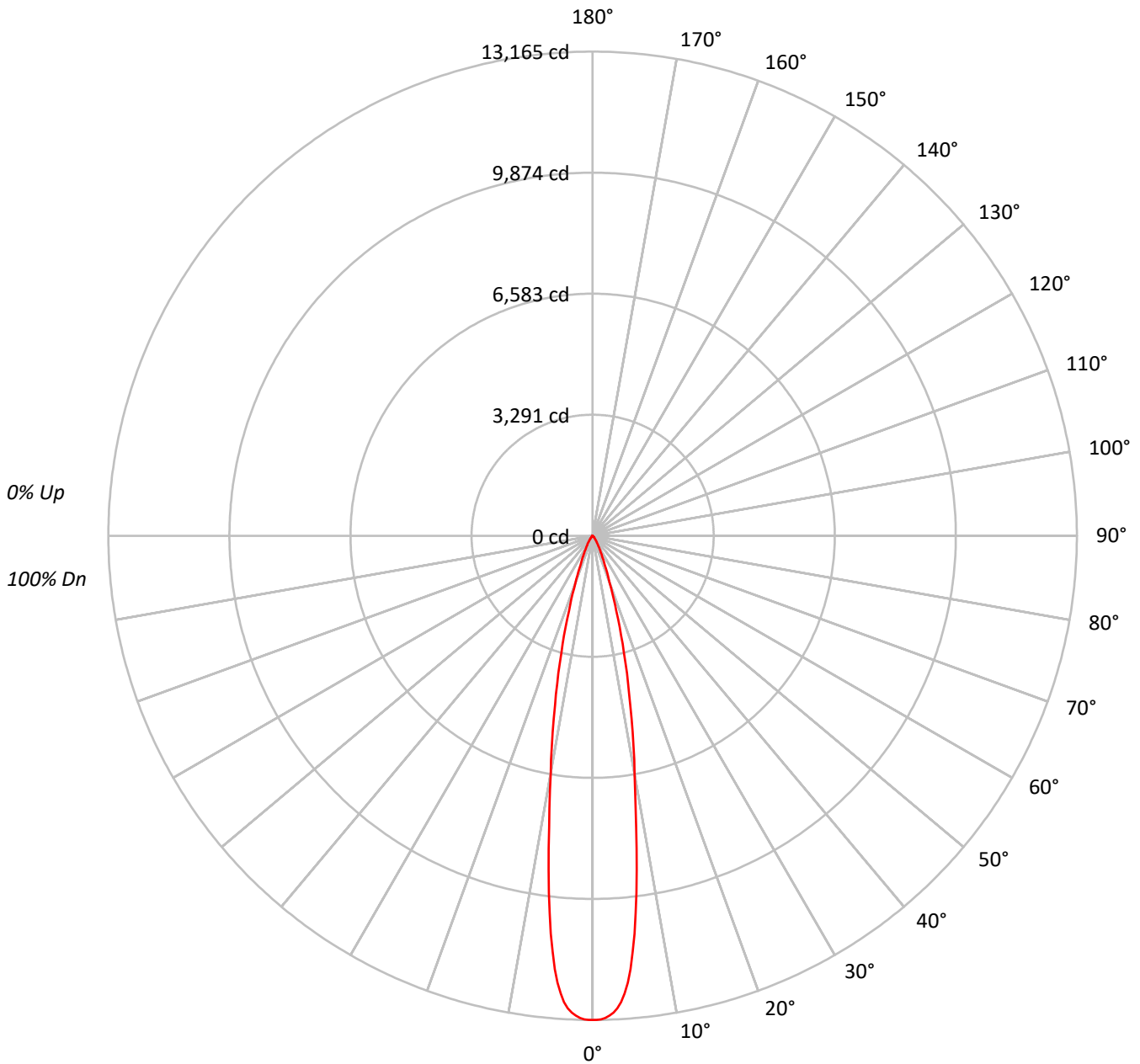


Downlight



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	100	99	98	97	98	96	95	94												
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94	93	92	91	94												
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	98	96	95	94	93	92	91	94												
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88	87	86	85	88												
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	91	88	86	85	84	83	82	85												
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	88	86	84	83	82	81	80	83												
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	86	84	82	81	80	79	78	81												
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	84	82	80	79	78	77	76	79												
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	82	80	78	77	76	75	74	77												
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	81	78	76	75	74	73	72	75												

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1438440
5°	1297744
10°	728362
15°	370237
20°	156759
25°	72358
30°	38303
35°	20634
40°	11040
45°	6521
50°	3791
55°	2019
60°	1289
65°	905
70°	383
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6521 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	937.3	40.5
10°-20°	923.0	39.9
20°-30°	301.5	13.0
30°-40°	102.7	4.4
40°-50°	34.5	1.5
50°-60°	10.4	0.5
60°-70°	3.5	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2161.8	93.5
0°-40°	2264.5	97.9
0°-60°	2309.4	99.8
0°-90°	2313.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2313.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13165	
5°	11832	937
15°	3273	923
25°	600	302
35°	155	103
45°	42	35
55°	11	10
65°	4	3
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	13165.2
0.5°	13165.2
1°	13148.8
1.5°	13116.0
2°	13056.2
2.5°	12976.5
3°	12863.9
3.5°	12706.9
4°	12473.6
4.5°	12189.9
5°	11832.3
5.5°	11362.2
6°	10880.4
6.5°	10328.2
7°	9787.8
7.5°	9154.7
8°	8589.6
8.5°	8021.1
9°	7495.9
9.5°	7014.0
10°	6565.0
12.5°	4713.9
15°	3273.1
17.5°	2138.3
20°	1348.2
22.5°	873.4
25°	600.2
27.5°	422.0
30°	303.6
32.5°	218.1
35°	154.7
37.5°	107.9
40°	77.4
42.5°	56.3
45°	42.2
47.5°	32.8
50°	22.3
52.5°	14.1
55°	10.6
57.5°	8.2
60°	5.9
62.5°	4.7
65°	3.5



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**CANDELA DISTRIBUTION (continued):**

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9



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— 0°-180°

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67.5°		2.3
70°		1.2

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(END OF REPORT)